What is claimed is:

1. A portable motion-sensing light comprising:

a housing;

a sensor mounted on the housing and electrically coupled to

a control circuit coupled to

a lamp socket configured to accept a light bulb; and

a power cord with an electrical plug on an end of the power cord, the power cord being configured to provide electrical power to the portable motion-sensing light when the electrical plug is plugged into an electrical socket.

2. The portable motion-sensing light of claim 1 wherein the housing is a watertight housing.

3. The portable motion-sensing light of claim 1 wherein the control circuit and electrical connections from the power cord are within a sealed housing.

4. The portable motion-sensing light of claim 3 wherein the sealed housing comprises a first housing portion and a second housing portion, the first housing portion being welded to the second housing portion.

5. The portable motion-sensing light of claim 3 wherein the sealed housing comprises a first housing portion and a second housing portion, the first housing portion being sealed to the second housing portion with an adhesive sealant.

6. The portable motion-sensing light of claim 1 further comprising closed-cell foam disposed within the housing around at least one of a power cord entry, a sensor wire entry, and a lamp socket wire entry.

7. The portable motion-sensing light of claim 1 further comprising

means for mounting the portable sensing light on a support structure.

8. The portable motion-sensing light of claim 7 wherein the means for mounting

includes a mounting member on a back of the portable motion-sensing light.

9. A weather-resistant portable motion-sensing light comprising:

a watertight housing with a back;

a sensor mounted on the housing and electrically coupled to

a control circuit coupled to

a lamp socket configured to accept a light bulb;

a power cord with an electrical plug on an end of the power cord, the power cord being configured to provide electrical power to the weather-resistant motion-sensing light when the electrical plug is plugged into an electrical socket;

means for mounting the weather-resistant portable motion-sensing light on an outdoor support structure; and

closed-cell foam disposed within the watertight housing around at least one of a power cord entry, a sensor wire entry, and a lamp socket wire entry.

10. The weather-resistant portable motion-sensing light of claim 9 wherein the means for mounting is a mounting member located on the back of the watertight housing.

11. A method of operating a motion-sensing light with a power cord and an electrical plug, the method comprising:

providing the motion-sensing light with the power cord and electrical plug;

mounting the motion-sensing light at a first selected location; and

plugging the electrical plug into an electrical outlet.

12. The method of claim 11 wherein the first selected location is an outdoor location.

13. The method of claim 11 further comprising steps of:

removing the motion-sensing light from the first selected location; and

mounting the motion-sensing light at a second selected location.

14. The method of claim 11 further comprising steps of:

unplugging the electrical plug from the electrical outlet; and

plugging the electrical plug into a second electrical outlet.

15. The method of claim 11 further comprising steps of:
unplugging the electrical plug from the electrical outlet;
removing the motion-sensing light from the first selected location;
mounting the motion-sensing light at a second selected location; and
plugging the electrical plug into a second electrical outlet.